

## ABSTRACT OF THE DISCLOSURE

A starter for an internal combustion engine has a resistance ratio  $r_M/r_B$  equal to or less than 0.4, when  $r_M$  represents a motor internal resistance  
5 and  $r_B$  represents a battery internal resistance. Furthermore, the starter has a size ratio  $L/D$  equal to or less than 1.0, when  $L$  represents an axial length of the armature and  $D$  represents an outer diameter of the armature. Furthermore, a means for suppressing temperature rise is provided for the starter.